UBE / UBE INDUSTRIES,LTD.

Injection 3020GX6

Engineering Plastics

Dry as molded

Characteristic		Unit	Test method	Measured value
Mechanical Characteristics				
Tensile strength		MPa	ISO 527-1,2	130
Tensile strain at break		%		6.0
Tensile modulus		GPa		9.6
Flexural strength		MPa	ISO 178	195
Flexural modulus		GPa		8.1
Charpy notched impact strength		kJ/m^2	ISO 179-1/1eA	21
Rockwell hardness	R.Scale	-	ISO 2039-2	110
	M.Scale			70
Thermal Characteristics				
Melting temperature		° C	ISO 11357	175~181
Coeff. of linear thermal expansion		$x10^{-5}$/° C	ISO 11359-2	2.5
Temperature of deflection under load	0.45 MPa	° C	ISO 75-1,2	177
	1.8 MPa	° C		165
Electical Characterisitics				
Volume resistivity		Ωcm	JIS K6911	10^6
Electric strength		kV/mm	IEC 60243-1	-
Relative permittivity		-	IEC 60250	-
Arc resitance		s	D-495(ASTM)	-
C.T.I		UL index	UL746A	-
Others				
Density		g/cm^3	ISO 1183-3	1.16
Water absorption	23 ° C, 50 %RH	%	UBE method	0.6
Molding shrinkage	MD	%	UBE method(30x100x3t)	0.1
	TD			0.6
Nomenclature accdording to ISO 1874-1				PA12, MHR, 18-090, GF13